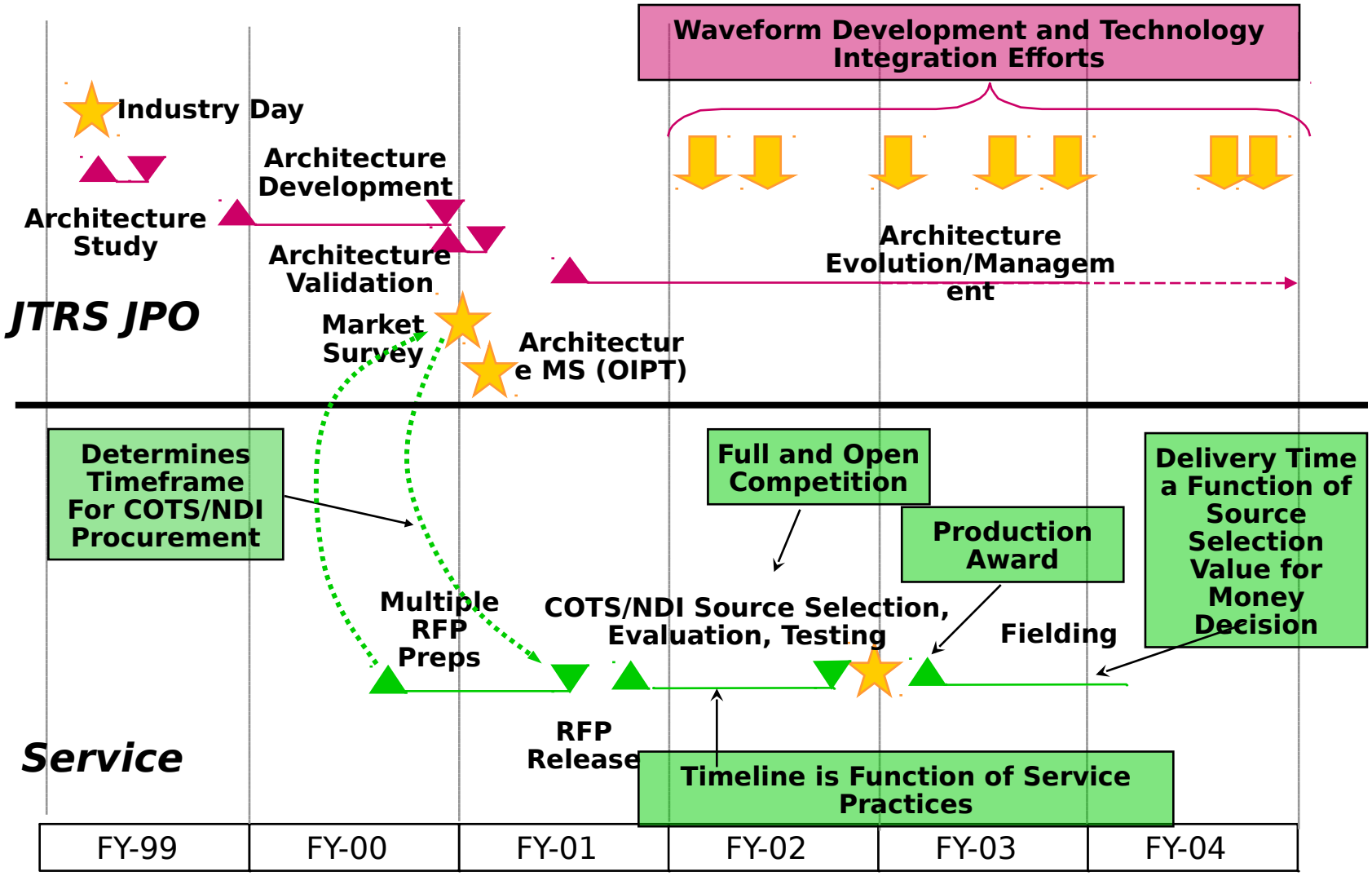
Maritime Domain (< 2 GHz) Radio Acquisition Transition Plan

17/18 November 1998

Captain G. Graupmann

Representative JTRS Timeline



< 2 GHz Maritime Domain Terminal Migration Strategy

FY99 **FY00** **FY01**

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System

HF
HFRG
R-2368/URR

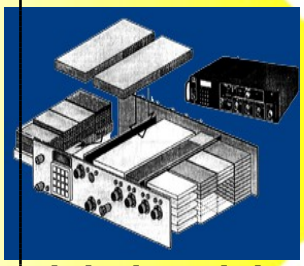
VHF
SINCGARS
Portable Radios

UHF
JTT
DWTS
MCIXS
UHF SATCOM
- **AN/WSC-3(V)**
- **AN/WSC-5(V)**
- **AN/SSR-1/1A**

TD-1271
UHF LOS
- **AN/WSC-3/3(V)**
- **HAVEQUICK II**

UHF MDR
- **MD-1234 Turbo Modem**

JMINI
UHF 5 kHz Modems
- **MD-1324 Modem**

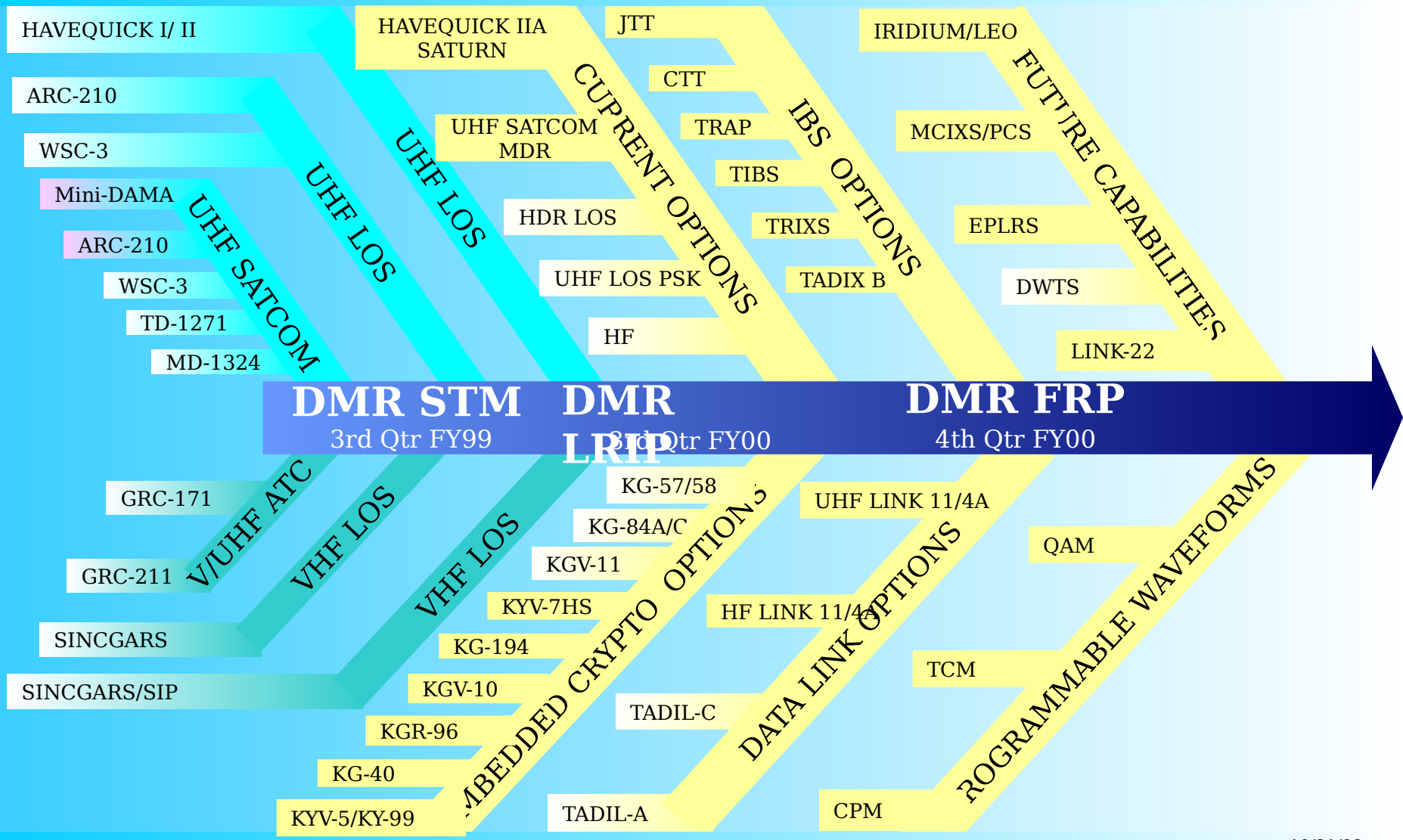


Digital Modular Radio

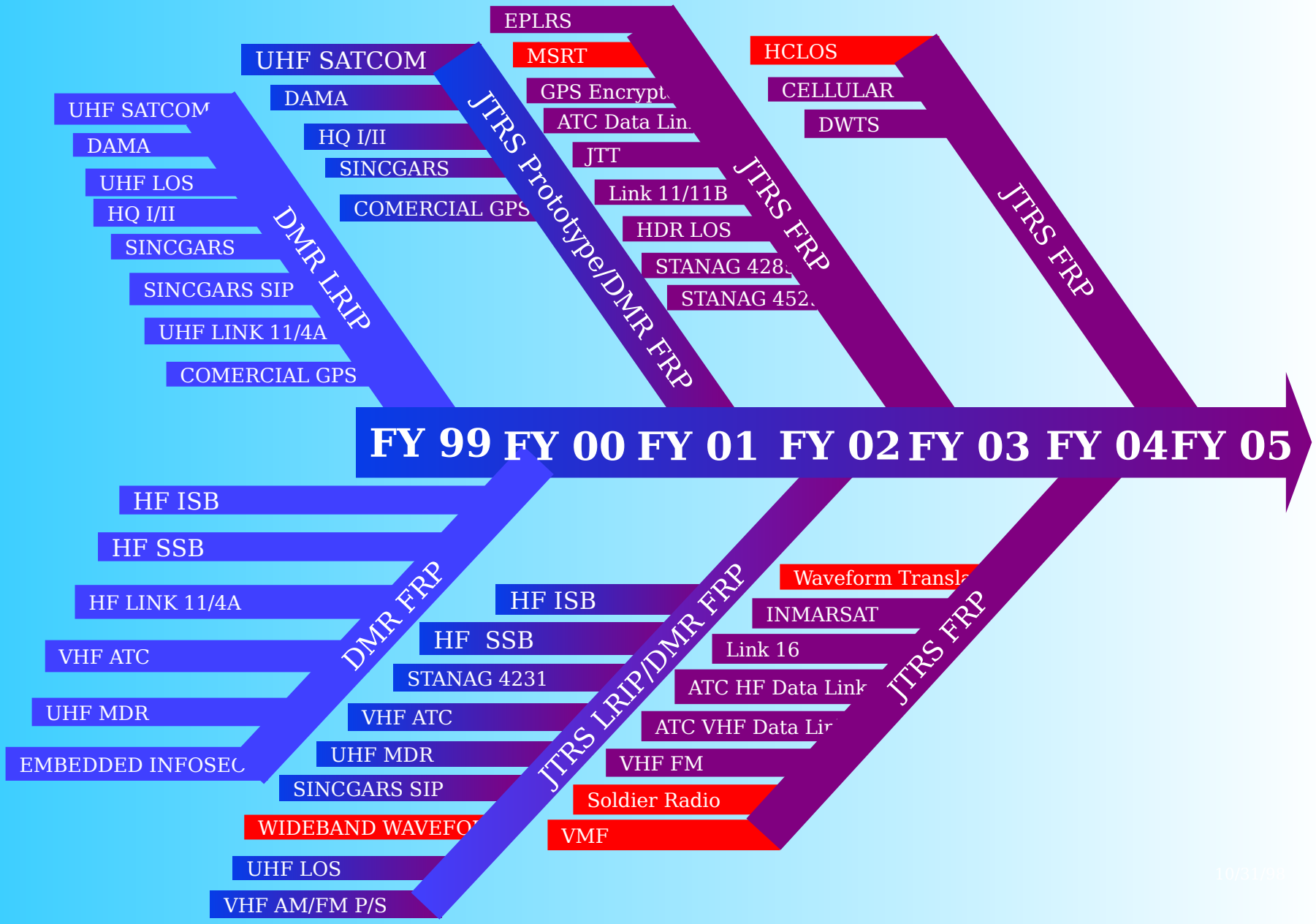
Joint Tactical Radio System

DMR Provides a Stepping Stone to JTRS

System Evolution



Waveform Evolution



< 2 GHz Maritime Domain Procurement Profile
(FY99-FY05)

Potential	FY99	FY00	FY01	FY02	FY03	FY04	FY05	TC	Total
UHF SATCOM (Afloat)	131	294	121	289	369	193	61	251	1,709
J MINI (Shore UHF SATCOM)	341	32	35	105	58	30	0	0	600
UHF LOS	0	48	100	100	131	131	52	1,538	2,100
SINCGARS	204	6	34	34	36	36	28	451	829
VHF AM	0	6	10	10	12	12	4	75	129
HF Receive	151	152	197	277	227	134	62	1,915	3,114
HF Transmit	0	27	65	65	82	82	38	100	459
Total Channels	827	564	561	880	915	617	245	4,330	8,940
4-Channel Radios	207	141	140	220	229	154	61	1,083	2,235

Conclusion

- DMR will be compatible with JTRS Narrow Band Maritime/Fixed Site Annex
- Navy cannot, nor can any Service, afford to recapitalize once JTRS is available
- Dialogue among OSD/Joint Staff/Services needs to ensure stable architecture for a smooth transition
- Navy is committed to support JTRS